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DERWENT-WEEK: 200429

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TITLE: Antenna gain pattern utilization method for use in
wireless data communication system, involves adapting
antenna gain pattern of base station, based on number of
mobile stations in sector

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PATENT-ASSIGNEE: QUALCOMM INC[QUALN]

PRIORITY-DATA: 2002US-0251122 (September 20, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 2004028187 A1	April 1, 2004	E	046	H04Q 007/36

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ
DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC
SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW AT BE BG CH CY
CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD
SE SI SK SL SZ TR TZ UG ZM ZW

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
WO2004028187A1	N/A	2003WO-US30007	September 19, 2003

INT-CL (IPC): H04Q007/36

ABSTRACTED-PUB-NO: WO2004028187A

BASIC-ABSTRACT:

NOVELTY - The number of mobile stations are identified in a sector associated
with a base station. An antenna gain pattern of the base station is adapted to
control signal-to-interference-and-noise ratio (SINR) fluctuations, based on
the number of mobile stations in the sector.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) base station; and

(2) antenna gain pattern utilization program.

USE - For utilizing antenna gain patterns used in wireless data communication
system.

ADVANTAGE - Controls the fluctuation rate and beam width of the antenna gain
pattern, thereby optimizing the overall data throughput in wireless data

communication system.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram illustrating the antenna gain pattern utilization method.

CHOSEN-DRAWING: Dwg.6/6

DERWENT-CLASS: W01 W02

EPI-CODES: W01-B05A1A; W02-B06B; W02-C03C1B; W02-C05A;